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Notice of Allowability	Application No.		Applicant(s)	
	10/742,895		SUZUKI, KENZABURO	
	Examiner		Art Unit	
	Arnel C. Lavarias		2872	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/9/06.
2. ☒ The allowed claim(s) is/are 2-3,5-8,10-12,14-24,27-32 (renumbered 1-26).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

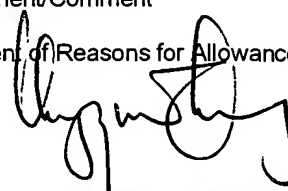
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>6/9/06</u>. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|


THONG NGUYEN
PRIMARY EXAMINER

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 3/9/06 has been entered.

Response to Amendment

2. The addition of Claims 29-32 in the submission dated 3/9/06 is acknowledged and accepted.

Response to Arguments

3. The Applicant argues that, with respect to newly submitted Claims 29 and 31, as well as Claims 30 and 32 which depend on Claims 29 and 31, since these claims are based on previously allowed Claims 17 and 22, respectively, these claims should similarly be allowable. After reviewing the available prior art and considering the limitations recited in Claims 29-32, the Examiner agrees.

Allowable Subject Matter

4. Claims 2-3, 5-8, 10-12, 14-24, 27-32 are allowed.

EXAMINER'S AMENDMENT

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mitchell W. Shapiro (703-903-9000) on 6/9/06.

The application has been amended as follows:

Claim 30, line 8, after 'denotes a', change 'refractive' to --refractive--.

Claim 31, line 11, after 'the second lens', insert --group--.

6. The following is an examiner's statement of reasons for allowance:

Claims 2-3, 5-8, 10-12, 14-21 are allowable over the cited art of record for at least the reasons as previous set forth in Section 7 of the Office Action dated 12/9/05.

Claims 22-24 are allowable over the cited art of record for at least the reasons as previous set forth in Section 7 of the Office Action dated 12/9/05.

Claim 27 is allowable over the cited art of record for at least the reasons as previous set forth in Section 7 of the Office Action dated 12/9/05.

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Claim 28 is allowable over the cited art of record for at least the reasons as previous set forth in Section 7 of the Office Action dated 12/9/05.

Claim 29 is allowable over the cited art of record for at least the reason that the cited art of record fails to teach or reasonably suggest a method for forming an image of an object and magnifying a total focal length of an imaging lens, as generally set forth in Claim 29, the method further including, in combination with the features recited in Claim 29, an incident angle of the principle ray passing through the maximum image height to the diffractive optical surface being 15 degrees or less. Claim 30 is dependent on Claim 29, and hence is allowable for at least the same reasons Claim 29 is allowable.

Claim 31 is allowable over the cited art of record for at least the reason that the cited art of record fails to teach or reasonably suggest a method for forming an image of an object and magnifying a total focal length of an imaging lens, as generally set forth in Claim 31, the method further including, in combination with the features recited in Claim 31, the first lens group having a biconvex lens and at least one negative lens, and the second lens group having a biconcave lens at the most image side, and wherein the conditional expression $0.03 < \frac{\phi R}{fd} < 1.0$ is satisfied. Claim 32 is dependent on Claim 31, and hence is allowable for at least the same reasons Claim 31 is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arnel C. Lavarias whose telephone number is 571-272-2315. The examiner can normally be reached on M-F 9:30 AM - 6 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Arnel C. Lavarias
6/8/06



THONG NGUYEN
PRIMARY EXAMINER